

CLAIMS

1. A remote station apparatus comprising:
 - 2 a link quality estimation unit operative to generate a link quality estimate in response to a first power control instruction received on a common channel; and
 - 4 a power control unit coupled to the link quality estimation unit, the power control unit operative to generate a second power control instruction in response to the link quality estimate.
2. The remote station apparatus of claim 1, wherein the remote station apparatus controls transmission power in response to the first power control instruction.
3. The remote station apparatus of claim 1, wherein the remote station apparatus transmits the second power control instruction.
4. A base station apparatus comprising:
 - 2 a decoder; and
 - 4 a determination unit coupled to the decoder, the determination unit operative to determine a power control instruction for base station transmission on a common channel; and
 - 6 an adjustment unit coupled to the determination unit, the adjustment unit operative to adjust a power level of the power control instruction.
 - 8
5. A base station apparatus comprising:
 - 2 a control processor for power control of transmission of power control instructions on a common channel; and
 - 4 an amplifier operative to adjust a power level of the power control instructions.

6. A wireless communication system comprising:

2 a first power control unit operative to transmit reverse link power
control instructions on a common channel; and

4 a second power control unit operative to adjust transmission power
of the reverse link power control instructions in response to
6 forward link power control instructions received on a reverse
link.

7. A method for power control in a wireless apparatus operative in a
2 communication system having a forward link and a reverse link, the system
transmitting power control bits on a forward link common channel, the
4 method comprising:

6 measuring a SNR of at least one power control bit for controlling a
reverse link; and

8 determining a power control decision for the forward link based on
the SNR.

8. A method for power control in a wireless communication system, the
2 system having a forward link and a reverse link, the system transmitting
power control instructions on a forward link common channel, the method
4 comprising:

6 determining a first power control instruction for control of the reverse
link;

8 in response to receiving a second power control instruction on the
reverse link, the second power control instruction for control of
the forward link, determining a first transmission power level;
10 and

12 transmitting the first power control instruction at the first
transmission power level on the common channel.

9. A method for power control in a wireless communication system, the
2 system having a forward link and a reverse link, the system transmitting

power control instructions on a forward link common channel, the method
4 comprising:

generating a reverse link power control instruction;
6 generating a forward link power control instruction; and
adjusting a power level for transmission of the forward link power
8 control instruction according to the reverse link power control
instruction.